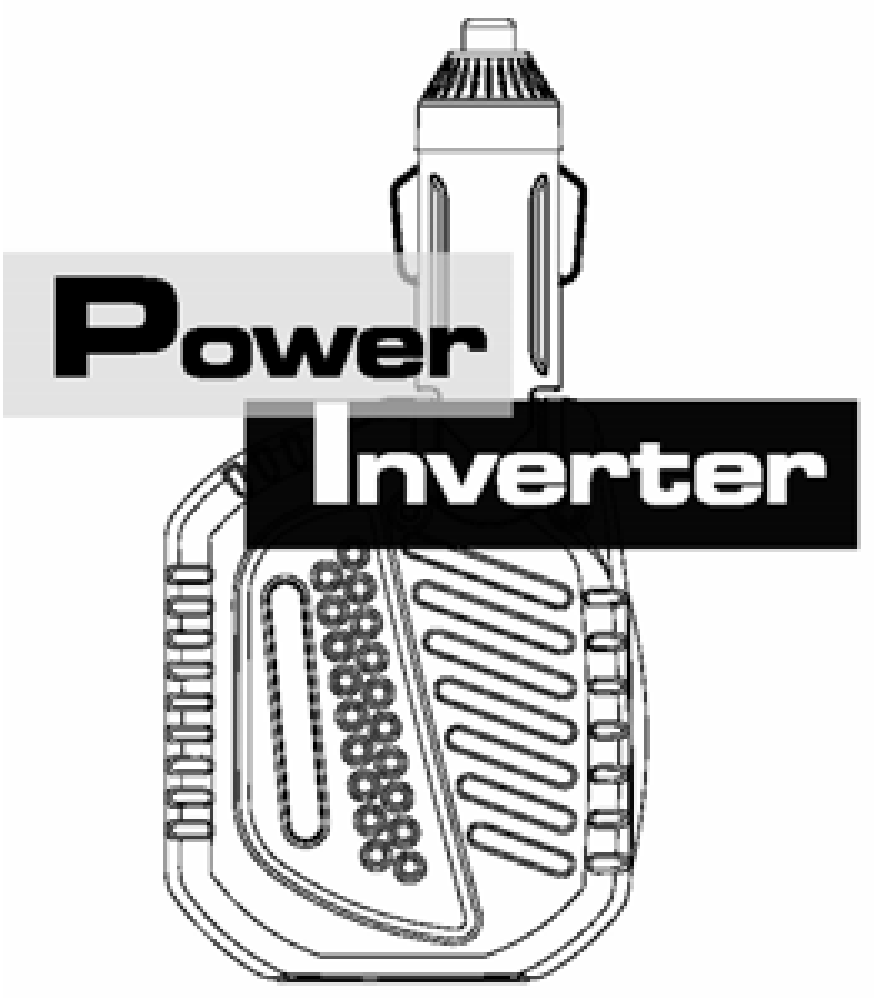
85 WATT DC to AC

170-Watt High Surge
Power Inverter



Model STP-85A

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- Never operate the inverter from any power source other than a 12 volt DC battery.
- The inverter is designed to be connected to the cigarette lighter socket with the 12 volt power plug. Do not modify the power plug.
- While connecting the inverter to the power source, make certain the inverter is far away from any potential source of flammable fumes or gases.
- Do not expose the inverter to rain or moisture.
- Make certain the power consumption of the appliance or equipment you wish to operate is compatible with the capacity of the inverter. Do not exceed 85 watts.
- When attempting to operate battery chargers, monitor the temperature of the battery charger for approximately 10 minutes. If the battery charger or inverter becomes abnormally warm, disconnect it from the inverter immediately.
- Use only 10 amp Glass type fuse.
- Always disconnect the inverter when not in use.
- Avoid placing the inverter near sources of heat or in direct sunlight.
- While in use, make sure the inverter is properly ventilated.
- When operating the inverter with an automobile or marine battery, start the engine every 30 to 60 minutes and let it run for approximately 10 minutes to recharge the battery.
- IMPORTANT: Sima Products Corporation does not authorize any products to be used in life support systems

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Introduction

This product has been carefully engineered and manufactured to give you dependable operation. Please read this manual thoroughly before operating information you need to become familiar with this features and obtain the performance that will bring you continued enjoyment for many years. Please keep this manual on file for future Reference.

This package contains:

1 STP-85A power inverter

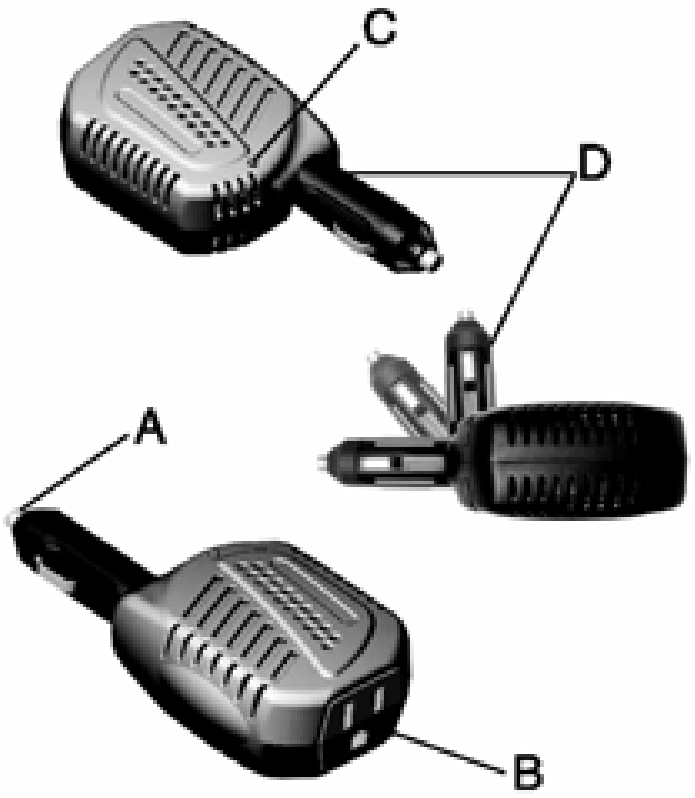
1 User manual 1 airplane adapter

Equipment Power Usage

It is important to use products that draw less than the power rating of the power inverter. Products that draw more power than the power rating of the inverter may cause the protection circuitry to shut down or the fuse to blow. Repeated excessive power draw can cause failure of the power inverter

Features

A. 12-Volt Cigarette Lighter Power Plug.
B. North American 120V AC Outlet.
C. ON/OFF Indicator Light.
D. 5-Point Adjustment plug. (Up to 90 degrees)



Getting Started.

1. Remove your cigarette lighter and push the 12-volt power plug firmly into the cigarette lighter receptacle in your vehicle.
2. The LED Indicator light should glow RED confirming that there is power running to the inverter.
3. Plug the appliance into one of the AC receptacle on the rear panel of the inverter.

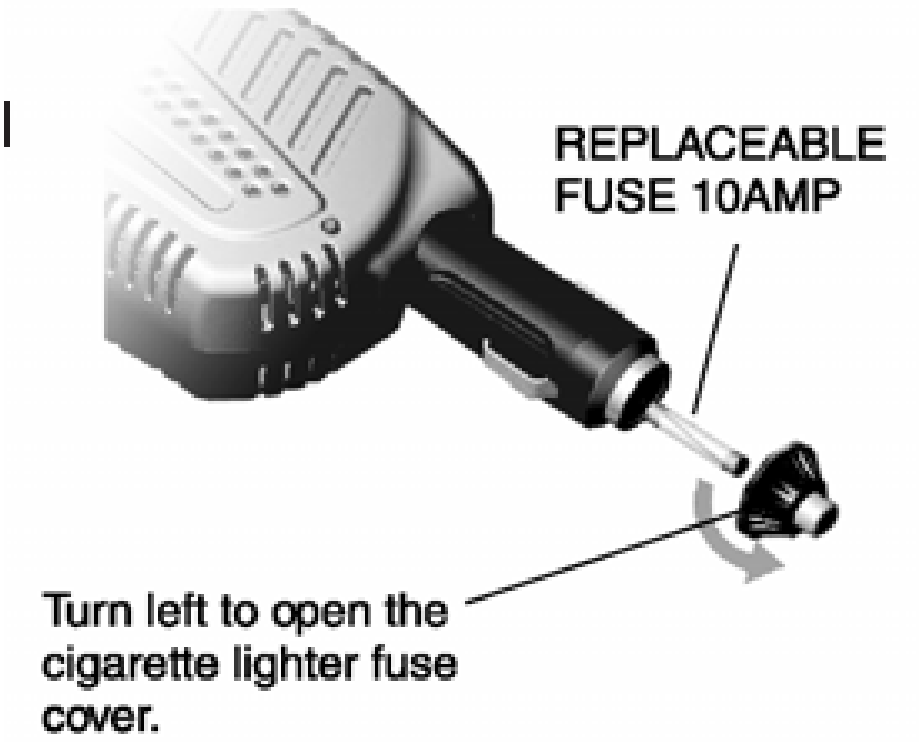
Inverter Protection Features.

The RED LED Indicator light will turn on and the inverter will turn itself off automatically when:

1. The power input from the battery exceeds 15 volt.
2. The power input from the battery is less than 15 volt.
3. The continuous draw of the equipment or appliance being operated exceeds 170 watts.

Blown Automotive Fuse.

This fuse will need to be replaced with the same size fuse. Please note, a blown automotive fuse will not cause damage to your car wiring.



Using the airplane adapter

To use the airplane adapter, plug the STP-85A securely into the female socket of the airplane adapter (A). Plug the airplane connector (B) into the socket of the airplane seat and operate the inverter normally.

SPECIFICATIONS:

Max. Continuous Power……..85 Watts
Surge Capability (Peak Power)…….170 Watts
No Load Current Draw……..< 0.3A
Waveform…….Modified Sine Wave
Input Voltage Range……..11-15 VDC
AC Receptacle……110V AC 3 prong grounded
Fuse……..10 amp (Glass type)
Weight……..136g/4.8oz

Typical Appliance	**Current Draw**
Cell phone charger	20 watts
Camcorder	23 watts
VCR	40 watts
Soldering iron	45 watts
Laptop computer	75 watts

Limited Warranty

Sima Products Corp. ("Sima") warrants that if the accompanying product proves to be defective to the original purchaser in material or workmanship within 90 days from the original retail purchase, Sima will, at Sima's option, either repair or replace same without charge (but no cash refund will be made).

What you must do to enforce Warranty:

You must deliver, mail or ship the product, together with both the original bill of sale and this limited Warranty statement as proof of warranty coverage to:

Sima Products Corp.
Att: Customer Service
140 Pennsylvania Ave. Bldg. #5
Oakmont, PA 15139
412-828-3700
412-828-3775 FAX

It is recommended that you call Sima at the number listed above to obtain a return authorization number.

Limitation of Liability and Remedies

Sima shall have no liability for any damages due to lost profits, loss of use or anticipated benefits, or other incidental, consequential, special or punitive damages arising from the use of, or the inability to use, this product, whether arising out of contract, negligence, tort or under any warranty, even if Sima has been advised of the possibility of such damages. Sima's liability for damages in no event shall exceed the amount paid for this product. Sima neither assumes nor authorizes anyone to assume for it any other liabilities.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Problem	Possible Cause
Unit does not operate	Input voltage is below 10 volts

Solution: Attach to proper supply

Problem	Possible Cause
Fuse blown	

Solution: Determine cause for fuse blowing and then replace fuse.

Problem	Possible Cause
Unit operates for a short period and then turns off.	Load is trying to draw too much current

Solution: Be sure load is less than rated watts of inverter. Remove excessive load. Turn inverter off and back on to reset.

Problem	Possible Cause
Unit operates for a short period and then turns off.	Input voltage is below 10 volts

Solution: Attach to proper supply

Problem	Possible Cause
Unit operates for a while and gets warm	Inverter is in thermal shut down mode

Solution: Allow inverter to cool down. Turn inverter off and back on to reset.